

20030302.qrp v02_n847.qrl.20030302

Date: Sun, 2 Mar 2003 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2847

QRP-L Digest 2847

Topics covered in this issue include:

- 1) [146880] FS: 10-meter Micro-Mountaineer (2000)
by "Brice D. Hornback" <bdh@cyberbound.net>
- 2) [146881] FOX: Final log for K5DI
by "Karl F. Larsen" <k5di@zianet.com>
- 3) [146882] Re: [Antennas] 80m dipole center connectors?
by Bill Coleman <aa4lr@arrl.net>
- 4) [146883] SWAP
by "hivolts" <hivolts@usintouch.com>
- 5) [146884] Anyone use the AS-2259/GR NVIS Antenna ?
by "Michael Melland" <w9wis@charter.net>
- 6) [146885] Re: Anyone use the AS-2259/GR NVIS Antenna ?
by "Michael Melland" <w9wis@charter.net>
- 7) [146886] KI02
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 8) [146887] Re: matching dipoles and ladder line
by Nick Foster <zaphod@coe.neu.edu>
- 9) [146888] Re: How to Use Ceramic Resonator
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 10) [146889] RE: RF Coaxial Grounding Scheme ?
by "George, W5YR" <w5yr@att.net>
- 11) [146890] For Sale/RM's
by Wayne_W5KDJ <w5kdj@juno.com>
- 12) [146891] Fwd: 13th OQRPC: Rig Statistics
by dl6aaf@t-online.de (Uwe Meier)
- 13) [146892] Bay area QRPizza meeting with George Heron
by "J. Bennett" <jwbennett@sprintmail.com>
- 14) [146893] Re: RF Coaxial Grounding Scheme ?
by "Michael Melland" <w9wis@charter.net>
- 15) [146894] Ilink??
by Ted Kell <tedkell@ev1.net>
- 16) [146895] RE: RF Coaxial Grounding Scheme ?
by "George, W5YR" <w5yr@att.net>
- 17) [146896] KI02 question answered
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 18) [146897] Re: SWAP
by "William Phinizy" <k6whp@verizon.net>
- 19) [146898] FSK w/ DSW, SW+, SST etc...would you believe w/ T-T Century/21...

(long)

- by "Bill, N4QA" <n4qa@hotmail.com>
- 20) [146899] SMT Web Page
by "Ed Kessler" <aa3sj@arrl.net>
- 21) [146900] Still FS/FT: MFJ 986 Tuner
by "Ed Kessler" <aa3sj@arrl.net>
- 22) [146901] Trip info- Ft Smith AR
by James R Giammanco <n5ib@juno.com>
- 23) [146902] Etching PC boards
by "Don Jackson (AE5K)" <don@azark.com>
- 24) [146903] VE3FAL re HAMFEST
by "Merton Nellis" <mertnellis@msn.com>
- 25) [146904] cables
by "Donn Kuse" <casey.jay@verizon.net>
- 26) [146905] Re:FOX K5DI Final Log
by Lloyd Lachow <llachow@yahoo.com>
- 27) [146906] Re: Amateur Radio market primed and ready for the eightythree
by "Bill, N4QA" <n4qa@hotmail.com>
- 28) [146907] Re: Ilink??
by Bob Nielsen <nielsen@oz.net>
- 29) [146908] QRP Quarterlies need a new home
by Goemans <jgoemans@facstaff.wisc.edu>
- 30) [146909] Re: 10-meter Micro-Mountaineer (2000)
by "Brice D. Hornback" <bdh@cyberbound.net>
- 31) [146910] Re: RF Coaxial Grounding Scheme
by "James R. Duffey" <JamesDuffey@comcast.net>
- 32) [146911] NJQRP meeting Mar 8
by "n2cx" <n2cx@voicenet.com>
- 33) [146912] Antenna work...
by "Mike Yetsko" <myetsko@insydesw.com>
- 34) [146913] Re: Etching PC boards
by "Leon Heller" <leon_heller@hotmail.com>
- 35) [146914] Re: Ilink??
by JD Delancy <W1JD@drix.net>
- 36) [146915] OT: Video Capture Card
by "Rob Matherly" <w0jrm@arrl.net>
- 37) [146916] Re: Video Capture Card
by "Mike Yetsko" <myetsko@insydesw.com>
- 38) [146917] Subject: [146878] RF Coaxial Grounding Scheme ?
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 39) [146918] Re: Video Capture Card
by "Ray Goff" <radioham@gmx.co.uk>
- 40) [146919] QRP DX thoughts to share
by "P. Ermisch" <ermisch@usa.net>
- 41) [146920] Re: Fwd: QRP-L moderation
by Jimmy Lee <jrlaudio@bellsouth.net>
- 42) [146921] I love trees :-)
by psschwarz@kellnet.com

Date: Sat, 01 Mar 2003 18:07:28 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [146880] FS: 10-meter Micro-Mountaineer (2000)
Message-ID: <038d01c2e047\$547d68c0\$6601a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

10-meter Micro-Mountaineer (2000)
by Wes Hayward, W7ZIO

I'm cleaning out some of my projects I'll never get around to finishing.
Here is a built 10-meter Micro-Mountaineer board with documentation that
needs to go to a good home.

Please view the photo of the board (documentation not shown).
<http://www.qrpp-i.com/museum/Micro-Mountaineer.jpg>

PayPal only. \$100 shipped in USA only.

73/72/71! de Brice KA8MAV

Date: Sat, 1 Mar 2003 17:01:23 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [146881] FOX: Final log for K5DI
Message-ID: <Pine.LNX.4.44.0303011659001.1415-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to all who corrected my errors. They were minor to me but
major to people on Teams...:-)

Time	Call	RST	State	Name	Power
0201	K5DW	559	TX	Don	5W
0203	W5TB	559	TX	Doc	5W
0205	W5YR	559	TX	George	5W
0207	N1FN	599	CO	ET	5W
0210	N2WW	559	CO	Larry	5W

0211	W7KXB	599	AZ	Bill	5W	
0212	K0FRP	579	CO	Al	5W	
0213	NQ7X 559		AZ	Floyd	5W	
0215	W0CH 559		MO	Dave	5W	
0217	WA9TZE	579	WI	Jim	5W	
0218	K5JHP	559	TX	Bill	5W	
0219	N5ZE 559		TX	Lew	5W	
0220	K50AH	559	GA	Garey	5W	
0221	KQ5U 559		TX	Terry	5W	
0223	K9UIY	559	IL	VIC	100W	
0224	NA9G 599		WI	Rick	5W	
0226	KK5LD	599	TX	Dan	5W	
0227	W3ESE	559	MD	LLoyd	5W	
0229	K0EVZ	559	ND	Doc	4W	
0230	N9NE 579		WI	Todd	5W	
0231	K5ZTY	559	TX	Bill	5W	
0232	K50I 559		OK	Tim	5W	
0235	W5USJ	559	TX	Chuck	5W	
0236	N9AW 559		IL	Jerry	5W	
0238	N4BP 559		FL	Bob	5W	
0240	K7VF 559		CA	Jeff	5W	
0241	KK5NA	559	TX	Joe	5W	
0243	NK6A 559		CA	Don	5W	
0245	K5IR 559		TX	Dale	5W	
0246	K5E0A	559	LA	Wayne	5W	
0247	AC5JH	559	OK	Tom	5W	
0248	NK9G 559		WI	Nick	5W	
0249	N4ROA	559	VA	Dan	5W	
0251	AA50 559		LA	Vern	5W	
0252	N1TP 599		FL	Tom	5W	
0254	W9XU 559		WI	Lon	5W	
0256	W9UQB/7 559		AZ	Mike	5W	
0258	K5SR 559		TX	Dale	5W	
0259	Aj4AY	559	AL	Jay	5W	
0300	WS4S 599		TN	Conrad	5W	
0302	N0UR 559		MN	Jim	5W	
0304	W2AGN	559	NJ	John	5W	
0305	KB0R 559		MN	Larry	5W	
0306	W0PIY	559	MN	Harry	5W	
0307	W7MD 599		AZ	Damon	5W	
0309	W5YA 579		NM	Fred	5W	
0310	N5WL 559		OK	Bart	5W	
0311	NM5M 559		TX	Eric	5W	
0315	NV4V 559		KY	Pete	5W	
0319	AB9CA	559	AL	Dave	5W	
0320	K5FSE	559	GA	Jack	5W	
0321	WD9F 559		IL	Woody	5W	
0322	NK0E 559		CO	Dave	5W	

0323 WA8ZB 559 TX Dennis 5W
 0324 K5TCC 559 TX Doc 5W
 0325 KD5CMN 559 TX Mike 5W
 0325 K9DC 559 IN Dave 5W
 0326 N3BJ 559 VA Alan 5W
 0327 AC7A 599 AZ Tom 5W
 0329 AF4LQ 559 KY Mike 5W
 0331 WW7Y 559 UT Steve 5W
 0333 WA8NTA 559 CO Dick 5W
 0334 WA2TDL 559 NY Rick 5W
 0336 K4FB 559 FL Paul 5W
 0338 KJ0C 579 MO Jim 5W
 0340 KI0II 559 CO Ron 5W
 0344 AF4PS 579 FL Mac 5W
 0345 KG4LDY 559 VA Jim 5W
 0346 K0PC/5 559 AR Pat 1W
 0347 AG0T 559 ND Todd 4W
 0348 KB7WW 559 OR Art 5W
 0351 KR0U 579 CO Tim 5W
 0352 N5YFC 559 LA Wayne 5W
 0353 W0RSP 579 SD Ade 5W
 0354 NG7Z 559 WA Paul 4W
 0355 K6MMC 559 CA Mike 5W
 0356 W5KDJ 579 TX Wayne 200mW
 0358 VE6EX 559 AB Dan 5W
 0400 W8RU Fox
 0400 K5DI Fox

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

 Date: Sat, 1 Mar 2003 19:06:41 -0500
 From: Bill Coleman <aa4lr@arrl.net>
 To: <w2wurjj@verizon.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [146882] Re: [Antennas] 80m dipole center connectors?
 Message-ID: <20030302000833.PXBD14560.imf19bis.bellsouth.net@[192.168.0.20]>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="US-ASCII"

On 2/6/03 1:42 PM, W2WU at w2wurjj@verizon.net wrote:

>Coax has higher RF losses than open wire at HF for two reasons:
 >1) It has a lower impedance, causing higher current flow at lower voltage

>for the same power. This results in higher I^2R loss for the same effective
>conductor size. (Skin effect also increases the loss with rising frequency).
>
>2) The increased amount of dielectric material separating the conductors in
>coaxial line is a substantial contributor to the attenuation loss factor.

This topic has been covered before.

Virtually all the difference in losses at HF frequencies are due to I^2R
losses. Very little of the total loss is due to dielectric losses.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Sat, 1 Mar 2003 16:20:56 -0800
From: "hivolts" <hivolts@usintouch.com>
To: <qrp-l@lehigh.edu>
Subject: [146883] SWAP
Message-ID: <004f01c2e051\$9842c280\$0d861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a nearly new Epiphone PR-5 Acoustic/electric Guitar and gig bag that
I will swap for an unbuilt tranciever kit. Value of the guitar is \$300.
(firm) Thanks...John...KF70M

Date: Sat, 1 Mar 2003 18:51:57 -0600
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [146884] Anyone use the AS-2259/GR NVIS Antenna ?
Message-ID: <000b01c2e055\$ed54e100\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I found a company that's selling the AS-2259/GR Antenna. These are the
military NVIS pack antennas which are end fed verticals. Resonance 2 to 12

MHz and usable from 2 -30 with a tuner.

see: http://www.columbiaelectronics.com/as_2259_gr__portable__hf_antenna.htm

Anyone use one of these for portable operation ? Comments ?

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sat, 1 Mar 2003 18:59:52 -0600
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [146885] Re: Anyone use the AS-2259/GR NVIS Antenna ?
Message-ID: <000501c2e057\$0830fd00\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> military NVIS pack antennas which are end fed verticals.

Ooops..... not verticals

Aka as Telex/HyGain 1900 antennas are 15 foot masted 12 lb pack antennas that utilize radiating elements (guys) that are unequally crossed dipoles that slope to the ground.

Mike

Date: Sat, 1 Mar 2003 19:6:57 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecrafft " <elecrafft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146886] KI02
Message-ID: <4120033021657872@earthlink.net>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Gang:

Just wondering--is it necessary to change some settings inside the K2 when you add the Elecraft external tuner? Or does the tuner automatically recognise the tuner and reconfigure itself automatically? Can anyone help? Thanks.

73,
--Doc/K0EVZ

Date: Sat, 1 Mar 2003 20:25:42 -0500
From: Nick Foster <zaphod@coe.neu.edu>
To: qrp-l@lehigh.edu
Subject: [146887] Re: matching dipoles and ladder line
Message-ID: <E279671B-4C4D-11D7-86AC-003065C6698A@coe.neu.edu>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

In response to everyone's answers:

You guys are fantastic -- the BLT is pretty much just what I was looking for. I guess the current plan is to add as much line as I can to move the feedpoint away from an impedance maximum, and tune with a BLT or L-match.

Thanks so much for all the helpful suggestions, and I hope that other hams on the list get some useful information out of this discussion. I'll let y'all know how it turns out.

Thanks!
Nick
N1UBZ

Date: Sun, 02 Mar 2003 02:26:26 +0100
 From: Ingo Meyer DK3RED <dk3red@gmx.net>
 To: qrp-1@Lehigh.EDU
 Subject: [146888] Re: How to Use Ceramic Resonator
 Message-ID: <5.1.1.6.1.20030302014525.02008a80@pop.gmx.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Bill, Leon and Ed,

Leon wrote:

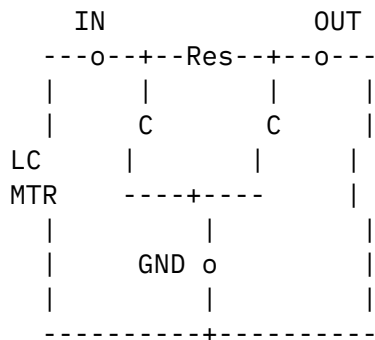
>Cs are probably something like 30 pF.

If you need the right value so I think you can calculate the C's after two measurements with a LC meter.

The capacity of the resonator (here named W) itself is also unknow but it can be eliminate in step 3.

Step 1:

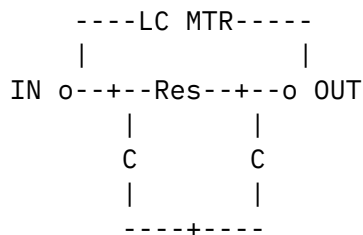
Put a link at the output to ground. The output C is now zero.



Measure the capacity between the input and ground. Name the measured capacity X.

Step 2:

Let the ground open. Measure the capacity between the input and the output.



|
GND o

Both C's are now in a row and the capacity is the half of one. Name the measured capacity Y.

Step 3:

from step 1 -> $X=C+W$ -> reordered -> $W=X-C$
from step 2 -> $Y=(0.5*C)+W$ -> reordered -> $W=Y-(0.5*C)$

Set both W's in one formula and the result is the following.

$X-C=Y-(0.5*C)$ -> reordered -> $C=2*(X-Y)$

Hope it helps (and hope it's right HI).

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
QRP ARCI #11295 <http://www.qrparci.org>

Date: Sat, 1 Mar 2003 19:42:06 -0600
From: "George, W5YR" <w5yr@att.net>
To: <w9wis@charter.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [146889] RE: RF Coaxial Grounding Scheme ?
Message-ID: <IGEMKCEKDDMKFONPPFHBKE00DCAA.w5yr@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael, this is an ancient version of an amateur urban myth. While there may be times when a wire going from A to B might do some good somehow, this is not a case where this particular configuration is any different from a plain piece of wire the same length. This one has been around for ages and keeps showing up as a new discovery. This sort of thing is one reason that "73" lost a lot of its technical credibility.

If you think about it, those capacitors from braid to center conductor at each end are going to have reactance at the operating frequency that is greater than the resistance of a simple wire connecting them together. The caps do nothing at all to make a more effective ground wire out of the coax.

A simple length of plain wire just does as much good and costs a lot less money!

Please do not take my negative response as a personal reflection on your technical prowess, Michael. This particular old chestnut has come up many times on many lists and newsgroups. It just doesn't seem to want to go away . . .

Station grounding includes a lot from how the individual components cases are connected together and where, how the a-c grounding is handled, lightning protection measures, r-f connections for certain antenna types, etc. etc. There is no single cure-all to designing these aspects of a station.

Many if not most stations do not require any so-called "station ground" at all, since the grounding wire (the green wire) in the a-c power service is provided to minimize if not prevent a-c voltage differences among the various pieces of gear and between them and Earth ground. The use of properly designed antennas that do not involved the station equipment cases in their operation are encouraged as a means for keeping "r-f out of the shack." The use of coax to feed balanced antennas frequently provides a path for r-f back into the station equipment, and commonly no amount of simple "grounding" will deal with that. So-called end-fed antennas where the end of the antenna is connected directly to the transmitter or tuner output are probably the worst in this regard, since they place the station equipment at either a point of high r-f voltage or current. There are ways to minimize the effect of this, but this posting has already gotten too long. The ARRL Antenna Book has lots of material on this subject - it is good reading.

Hope this is of some help.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Michael Melland
Sent: Saturday, March 01, 2003 3:30 PM
To: Low Power Amateur Radio Discussion
Subject: RF Coaxial Grounding Scheme ?

Forgive my ignorance but.... here's one I never heard of.

A just found an article that apparently appeared in the September 1996 issue of 73. The article has information on RF grounding to prevent RFI from

feedline or your ground system radiating. The author was a Terry Staudt, W0WUZ...

He proposes utilizing what he terms a "coaxial ground" that consists of a length of coax (any length... length not critical according to the article) with the braid and center conductor joined on each end through a .001 uF ceramic cap. You then crimp rings on the center conductor on each end and attach one end to the ground of the transceiver and the other to a ground rod outside after waterproofing that end.

The claim is that it will eliminate all RF grounding problems like loops and radiating grounds and RF on the antenna braid the author also states that one should never chain transceiver, tuner, amp etc together to a single ground at the tuner like usually recommended...but rather attach only this single coaxial ground to the transceiver....

Any comments ? Does this really work ? If so what's the theory behind it ? There was a long line of hams that wrote in praising this RF grounding method.... ? I never heard of this before but an OT down the street said they used to do this "years ago". Anyone ever test this out ?

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 2 Mar 2003 02:03:20 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: qrp-l@lehigh.EDU, soc@mailman.qth.net
Subject: [146890] For Sale/RM's
Message-ID: <20030301.210348.26328.395776@webmail6.nyc.unttd.com>

Both RM's have been sold.

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN
ARCI_11325 * ARS_1392 * SOC_538

Date: Sun, 2 Mar 2003 03:39:43 +0100 (MET)
From: dl6aaf@t-online.de (Uwe Meier)
To: qrp-l@lehigh.edu
Subject: [146891] Fwd: 13th OQRPC: Rig Statistics
Message-ID: <200303020239.DAA00314@joringel.t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

From: DJ7ST @ DB0ABZ.#NDS.DEU.EU

QRP-Contest-Community (qrpcc)
c/o Dr. Hartmut Weber, DJ7ST
Schlesierweg 13
D-38228 SALZGITTER
Phone: +495341-50113

26-Feb-2003

13th ORIGINAL-QRP-CONTEST (28/29 Dec 2002), Rig Statistics

(translation by Eddi, DK3UZ)

Dear OQRP Contest friends,

The established field of repeatedly nominated rigs has been boldly invaded by three "Sparrows", DK1HE/DL-QRP-AG's latest creation in the QRP sky.

On the other hand senior-champion DJ1ZB's Piccolino (SPRAT 42), meanwhile aged 18, was still mentioned twice.

At the top, unchallenged but without increased percentage, the FT-817, followed more closely by the K2.

The HW-9 showed a stronger presence than ever before. And the QRP+ is back again. In the QRP-scene even an equipment statistic seems to be more vital...:

30x	FT-817	(+5)
17x	EleCraft K2	(+6)
12x	HW-9	(+4)
8x	FT-7	(+3)
8x	QRP+	(+5)
7x	TS-130V	(+3)
6x	Sierra	(+1)
4x	TS-120V	(-2)

3x Argonaut 509 (-2)
 3x ELBC (DJ3KK-design, SPRAT Nr. 94) (-1)
 3x NorCal 40A (+/-0)
 3x Sparrow ("Spatz") (DK1HE-design, DL-QRP-AG) (+3)
 2x Argonaut 505 (+2)
 2x Elecraft K1 (+-0)
 2x HW-8 (-2)
 2x Mini (DL9RM-design) (+2)
 2x NorCal 20 (+1)
 2x Piccolino (DJ1ZB-design, SPRAT 42) (+1)
 2x QRP 14 (+2)
 2x SST-20 (+/-0)

AFE 12
 Argonaut 515
 EFIR-M; PA KT922B
 FT-301S
 FT-707S
 FT-77S
 GM47 mfd.
 Hari TX80-1
 HB 6-10W , PA 2xKT907(UA3DJG des., RADIO 1990, Nr.8-9)
 HB Compact Transceiver (G4WUS design)
 HB from military junk
 HB QRP-TRX (G4ENA-design, RadCom May '91)
 HB QRP-TRX, 5 bands
 HB TRX IF 1400&250 kHz; PA 2SC1307
 HB TRX, 2x3632
 HB VX0-PA (2N4437)
 HB Zennor (DF4SQ-des., CQ-DL 5/87)
 HB-TRX (by F5ZV), PA BD135, 300mW
 HB-TRX (DK6SX-design, CQ-DL 1/89)
 HB-TRX (MAS-design)
 HB-TRX 11tbs x3!!!, PA 5763
 HB-TRX IF 4,4 MHz, PA 2SC1678
 HB-TRX IF 4,43 MHz, PA IRF 510
 HB-TRX IF 9 MHz; PA 2xKT904A
 HB-TRX PA BD137, 3w
 HB-TRX VX0, PA 2xBD139, IF 4.0 MHz
 HB-TRX, 5w
 HB-TRX, 9 MHz, 4x SD340
 HB-TRX, DK6SX-design (FA 1/02 + 6/02)
 HB-TRX, NE612-MXR; PA 2N3553
 HB-TRX, PA 2N3632
 HB-TRX; IF 200kHz; PA IRF510
 HB-TRX; IF 4.433 MHz
 HB-TRX; IF 9 MHz; PA KF507
 HB-TRX; PA 2N3053

HB-TRX; PA 2N3553
 HB-TRX; PA KT922B
 HB-TX (GM30XX des., SPRAT 97)
 HB-TX (PA BD135), 300mW
 HB-TX PA RL12P10
 HB-TX, 3tbs, 20W
 HB-TX, PA BD137
 HB-TX; 6 trans.; PA KT606
 HB-TX; PA BD137
 HB-TX; PA BSY34
 HB-VX0
 Hegau SMD
 Irewell (G3RJV-des., Pract. Wireless Mars 1990)
 M160 + 20m-transverter; PA 2xKSY34 push-pull
 M80
 MFJ CUB
 MFJ-9020
 MFJ-9040
 Norcal "ugly style"
 OHR 400
 OHR 500
 Ramsey QRP-40
 RockMite 20m
 SG-2020
 SST-40
 SW20+
 SW40+
 TenTec 1340
 TenTec 1380
 Tramp
 TRX (~NN1G), PA BD139
 TRX M80
 Ural-84m
 VFO-BU-DR-PA; 4.5w
 VFO-DR-(DR-DR)-PA; PA 2N3866
 VX0-BA-FD-PA (EL83)
 VX0-PA (EF13-EF14)(QRV 7/1975), 400mW
 VX0-solo (trans.)
 VX0-TRX, PA VN66AFD (SPRAT 98)
 Tramp

Unfortunately again some described their equipment only superficially.
 Please do at least state whether it's semiconductor or valve, and what is
 used in the PA stage. Also the working principle, e.g. "9Mhz if" or "VFO-
 BU-PA" as well as the source (SPRAT, QRP-Report, etc.) are of interest.

Next "qrpcc-event": QRP-MINIMAL ART-SESSION on 29th May (Ascension Day)

73/2 Hal, DJ7ST

Date: Sat, 01 Mar 2003 19:17:21 -0800
From: "J. Bennett" <jwbennett@sprintmail.com>
To: qrp-1@lehigh.edu
Subject: [146892] Bay area QRPizza meeting with George Heron
Message-ID: <3E6177C1.A152C6D6@sprintmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The best day is Monday, March 3 for a QRPizza meeting with George Heron N2ABP. Please join us if you can.

Location, Round Table Pizza on Elcamino Real in Mountain View, CA.
(I can send specific directions if needed)

Time: 7PM

Thanks,
James Bennett
KA5DVS/6

Date: Sat, 1 Mar 2003 21:14:27 -0600
From: "Michael Melland" <w9wis@charter.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [146893] Re: RF Coaxial Grounding Scheme ?
Message-ID: <002101c2e06a\$4d2327e0\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Please do not take my negative response as a personal reflection on your
> technical prowess, Michael. This particular old chestnut has come up many
> times on many lists and newsgroups. It just doesn't seem to want to go
away

I don't take it that way at all... in fact I did consult my ARRL book and a couple of other sources but never saw a mention of the "zero length" ground in anything. I figured it was an urban legend <grin>... but wanted someone in the know to fill me in. Interestingly I have received several private

mails from those on the list who had also heard about this and wanted to know what I got in reply.... so the education isn't just mine <grin>. In fact I have several emails telling me it works great too ... hehehe.

Thanks,

Mike

Date: Sat, 01 Mar 2003 23:27:59 -0600
From: Ted Kell <tedkell@ev1.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [146894] Ilink??
Message-ID: <PNKD8D0B651LZU04JGEA6U01FUT.3e61965f@carolyn>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Anybody know what happened to Ilink? It was a VOIP with links to a bunch of repeaters worldwide. About 6 months ago I was hooked in but with a sick soundcard and noone could hear me. Now I have that fixed and I can't get the servers to answer and the web site is dead. Is there a new contact?

Thank for any help.

N3Ted

Date: Sat, 1 Mar 2003 23:42:21 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Michael Melland" <w9wis@charter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [146895] RE: RF Coaxial Grounding Scheme ?
Message-ID: <IGEMKCEKDDMKFONPPFHBAEPIDCAA.w5yr@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

The way you get a "zero length ground" is to series-resonate (tune out the

reactance and leave just the resistance) the wire between your station and whatever you are calling "ground." MFJ makes an "Artificial Ground" for this application. It is nothing but a switchable (for different bands) series tuned circuit with a tuning meter to indicate resonance.

They work and work fine. But that isn't all the issue: what are the properties of the "ground" that the now zero-length wire is connected to?

The Earth is NOT some great infinite sink for all unwanted currents, signals, etc. Any ohmic connection to it has an impedance and frequency characteristics. It is very difficult to establish a really effective r-f connection to the Earth under the best of conditions, and even if you did, there is still no guarantee that all "bad" r-f problems would go away through its use. Shame it has to be so complicated, but that is the real world.

In lieu of doubtful ohmic ground connections, consider instead the Driven Ground System. This comprises a 1/4-wavelength conductor for each band with one end tied to a common point in the station - usually the transmitter or tuner chassis - and the other end insulated and "floating."

Such a conductor in the near field of the antenna will have current developed in it and voltage across it. Being 1/4-wave long, the open end assumes maximum r-f potential and the end connected to the equipment is "driven" to near zero r-f potential. In this way the station equipment is placed a near "ground" potential without the concern over ground connections, impedance of ground wires, etc.

My experience and training has indicated over nearly six decades of amateur and commercial radio that there are grounds and then there are grounds. Some are required by law, some for protection of life and limb, some for insurance purposes, and some actually might do some good electrically. Frankly, I have never had a shack installation that had a "station ground." I also have never had any r-f in the shack problems. I would expect that attempts at such have created or made worse more problems than they have ever solved.

R-F in the shack or in the audio or wherever is a symptom of the problem, not the problem. And just removing the symptom does not correct the problem. Most of the time, the antenna system has been designed and/or installed incorrectly or is being operated improperly or is inappropriate to the station location.

Best results come from using balanced antennas, such as the lowly dipole, fed with balanced lines or coax with an appropriate balun. Such antennas do not rely upon any aspect of the shack equipment being "grounded" to operate properly. One exception: if the antenna is physically close, such that the equipment is within the near field of the antenna, then everything in the

shack is eligible to have r-f currents flowing on it with attendant difficulties. In these cases, *sometimes* the right grounding system can help to alleviate the symptoms, but the problem remains: your station is in the direct field of the antenna. Many antenna problems are solved merely by moving them as far away from the station, the house and its RFI-prone appliances, etc. as possible. We already know that QRP operation avoids a ton of problems! Here also, the Driven Ground can be quite effective and frequently is the only way one can operate.

Hate to sound pessimistic and there are plenty out there who disagree, but please do not leave this conversation thinking that "a good r-f ground" will cure all problems. <:}

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"

-----Original Message-----

From: Michael Melland [mailto:w9wis@charter.net]
Sent: Saturday, March 01, 2003 9:14 PM
To: w5yr@att.net; Low Power Amateur Radio Discussion
Subject: Re: RF Coaxial Grounding Scheme ?

> Please do not take my negative response as a personal reflection on your
> technical prowess, Michael. This particular old chestnut has come up many
> times on many lists and newsgroups. It just doesn't seem to want to go
away

I don't take it that way at all... in fact I did consult my ARRL book and a couple of other sources but never saw a mention of the "zero length" ground in anything. I figured it was an urban legend <grin>... but wanted someone in the know to fill me in. Interestingly I have received several private mails from those on the list who had also heard about this and wanted to know what I got in reply.... so the education isn't just mine <grin>. In fact I have several emails telling me it works great too ... hehehe.

Thanks,

Mike

Date: Sun, 2 Mar 2003 0:8:16 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Elecraft " <elecraft@mailman.qth.net>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [146896] KI02 question answered
Message-ID: <4120033026816768@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Thanks to everyone who sent advice re the KI02 question. Found out the answer was as simple as activating the port via the secondary menu. So little time, so much to learn [g]. Thanks again, all.

73,
--Doc/K0EVZ

Date: Sat, 1 Mar 2003 21:43:40 -0800
From: "William Phinizy" <k6whp@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [146897] Re: SWAP
Message-ID: <001001c2e07e\$aafabacc0\$fe60e043@sydelpgnr79gmd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have an unbuilt Pixie kit..

..just kidding. I *am* sorry, I couldn't resist!

72,
Bill, K6WHP

Date: Sun, 02 Mar 2003 08:10:38 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [146898] FSK w/ DSW, SW+, SST etc...would you believe w/ T-T Century/
21...(long)
Message-ID: <BAY1-F178Co0CHknrmt00022977@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Back around 1979/1980 some folks were experimenting with two-way ASCII-encoded FSK communications. I had built a Heathkit H-9 video terminal in the late seventies for use with Heath's 6800 microprocessor course & trainer and in 1980, I bought a brand-new Ten-Tec Century/21 CW xcvr. I 'discovered' that, with appropriate level-shifting, I could make the C/21 transmit and receive some pretty stable FSK (once the rig had warmed up for a spell) by using the H-9's RS-232C TXD output to 'modulate' the dc bias at a varicap diode in the rig's vfo, using a pot to calibrate the shift...170 Hz, I believe...Had to be aware of xmit time X output power product so's not to burn up the C/21's finals with that 100 % transmitter duty cycle... For FSK receive, I sampled the rig's rcvr audio and shipped it to an Exar XR-2211 AFSK demodulator chip which then fed the H-9's RS-232C RXD input. Made several 2X ASCII-FSK and ASCII-FSK/CW cross-mode contacts with that lashup...

Fast-forwarding now thru many exciting discoveries, events etc...

Several months ago, during an email exchange with our bud up there in Colchester, Dave mentioned that he'd thought about using a DSW for FSK comms...or maybe he actually said 'RTTY'...anyway... Well, Dave's suggestion went in one ear and... no, it actually stayed inside the brain somewhere...and NOW it wants to fly out the other ear and onto others' screens.

Ok, in the case of a DSW-series rig running FSK...a few things to think about...there are probably others:

Separating T/R function from DSW's DDS FREQ0/FREQ1 selection so as to allow Mark/Space freq selection while remaining in 'transmit'.

Identifying an FSK modulating source whose output is discrete dc levels which are then buffered to be compatible with appropriate DSW DDS input...may be able to use soundcard output followed by AFSK demodulator for this...I wonder if any of the popular(or unpopular) soundcard FSK programs also support discrete dc outputs...

For receiving FSK, rig audio might go to soundcard input, as usual...or to another AFSK demodulator for interfacing to a (dumb?) terminal...

Usual concerns about 100% transmitter duty cycle.

Frequency stability...are you kidding me? :)

Frequency shift...with stock freq steps of 50 Hz and 200 Hz, the DSW could easily do 200 Hz(for 170 narrow) and 850 Hz (wide) shifts...using DSWTUN03, any shift (in one-Hz steps) you want... :)

I'm not familiar enough with the other fine QRP rigs out there to be able to outline an FSK plan for them but I'm quite sure that many other rigs must be FSK-capable with a little thought applied...heck it's probably already been done...

Gee, the more I think about it, the more fun QRP FSK sounds...
Maybe NEXT winter...

You know, the AD9835 DDS, and others, also support PSK...
That's out of my league though...

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Sun, 2 Mar 2003 08:19:37 -0500
From: "Ed Kessler" <aa3sj@arrl.net>
To: qrp-l@Lehigh.EDU, Wes Hayward <w7zoi@easystreet.com>
Subject: [146899] SMT Web Page
Message-ID: <3E61BE99.624.2307454@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Morning,

I've updated my web page to include some photos and text related to several projects that I have worked on using surface mount components. So far I have built
a 40 meter transceiver, 80 meter transceiver and a MicroR1receiver.

Follow the SMT link on the second page.

<http://www.qsl.net/aa3sj/index.html>

For those interested,

73

Ed AA3sJ

Date: Sun, 2 Mar 2003 08:25:30 -0500
From: "Ed Kessler" <aa3sj@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [146900] Still FS/FT: MFJ 986 Tuner
Message-ID: <3E61BFFA.11092.235D6C7@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Good Morning,

I still have for sale an MFJ 986 Differential T Tuner. The tuner is in excellent electrical and mechanical condition. The top of the case has a few scratches. I don't know if I can find the manual; if I find it, it will be included. The tuner is very
easy to use without the manual.

This tuner works fine; My reason for selling is that I bought a matching Ten Tec tuner for my "big rig" and the MFJ is surplus to my needs.

I would be willing to sell the unit for \$200 (shipping to CONUS) included.

Or I may be willing to do a trade with appropriate cash adjustment for one or more
of the following:

A miniR2 RX board (built or unbuilt).
An LDG Z-11 Tuner.
An unbuilt QRP HF kit.

73

Ed AA3SJ

Date: Sun, 02 Mar 2003 05:56:19 PST
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu, elecrafft@mailman.qth.net
Subject: [146901] Trip info- Ft Smith AR
Message-ID: <20030302.074834.12999.1.n5ib@juno.com>

Greetings to Jay Bob and the Ft. Smith QRP group...

My wife Gloria (WD5CMA) and daughter are travelling to Fayetteville AR tomorrow. What 2 meter frequencies will be active in the Ft. Smith / Fayetteville area?

72

Jim N5IB

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 02 Mar 2003 08:57:02 -0600
From: "Don Jackson (AE5K)" <don@azark.com>
To: fsqrp@w0ch.com, qrp-l@Lehigh.EDU
Cc: rexa@rcn.com
Subject: [146902] Etching PC boards
Message-ID: <3E61C75E.16026.30032E@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Subject: etching PC boards with Cupric Chloride

Here is a URL for an alternative solution to etching PC boards ... quite an interesting one since you don't need to dispose of the etchant solution as you do ferric chloride. Does anyone know a good source for the cupric chloride?

http://users.rcn.com/rexa/Projects/CuCl_ech.html

Thanks to Rex Allers, KK6MK, for sharing the information and web pages.

72/73,
Don AE5K

Date: Sun, 02 Mar 2003 09:06:15 -0600
From: "Merton Nellis" <mertnellis@msn.com>
To: qrp-l@lehigh.edu
Cc: wunger@confederationc.on.ca
Subject: [146903] VE3FAL re HAMFEST
Message-ID: <F3kZIhTrBoe2U8QVjp300004722@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Fred, Bill and all,
The Hamfest in Superior, WI is on May 3, 2003. The web site is
<http://www.qsl.net/w0gkp/ann.htm>
MNQRP Society will have some people there. Hope to see you all there and
for better weather this year. Please acknowledge.
73/72 Mert W0UFO MNQRP

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

Date: Sun, 2 Mar 2003 10:07:26 -0500
From: "Donn Kuse" <casey.jay@verizon.net>
To: "Amateur Radio low power" <qrp-L@lehigh.edu>
Subject: [146904] cables
Message-ID: <00be01c2e0cd\$71005580\$f0fffd243@D5DP1021>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a Z11 auto tuner I want to place on top of my PC 500 for portable use. What size and length of cable do most of you use? Thanks.
72/73 Donn, WB4ZWT
67 and still learning

Date: Sun, 2 Mar 2003 07:33:11 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: k5di@zianet.com, a low-energy group <qrp-l@lehigh.edu>, ThomasPalmer@colliergov.net
Subject: [146905] Re:FOX K5DI Final Log
Message-ID: <20030302153311.22519.qmail@web41003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, an email direct to K5DI didn't seem to work,
so I'll try again:

0227 W3ESE 559 MD LLOYD 5W

should be K3ESE.

Thanks!

=====

73, 72 es oo, Lloyd, K3ESE
K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
ARRL - ARS #1301 - FISTS #8774 - WATPK #8
FPqrp #476 - BORG #2 - QRParci #11147
QRP-L #2415 - SOC #530
Fun = Skill / Power
"You can't spell Lloyd without lol!"

Do you Yahoo!?
Yahoo! Tax Center - forms, calculators, tips, more

<http://taxes.yahoo.com/>

Date: Sun, 02 Mar 2003 10:53:17 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: pratt@tiqit.com
Cc: qrp-1@lehigh.edu
Subject: [146906] Re: Amateur Radio market primed and ready for the eightythree
Message-ID: <BAY1-F915AbAqeUZI0A0001b87f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Vaughan,
Many thanks for the photo of DSWTUN03 running on the Tiqit eightythree.
I have posted the image at:
<http://www.qsl.net/n4qa/dsw/dswtun03.html>

If you should get the chance, an even more interesting image would be one
which shows the entire eightythree body, with the current release of
DSWTUN03 running on its screen.

Regards,
Bill, N4QA

>From: Vaughan Pratt <pratt@tiqit.com>
>To: "Bill, N4QA" <n4qa@hotmail.com>
>CC: Vaughan Pratt <pratt@tiqit.com>
>Subject: Re: Amateur Radio market primed and ready for the eightythree
>Date: Mon, 3 Feb 2003 23:45:04 -0800 (PST)
>MIME-Version: 1.0
>Received: from tiqit.com ([216.98.153.29]) by mc7-f30.law1.hotmail.com with
>Microsoft SMTPSVC(5.0.2195.5600); Mon, 3 Feb 2003 23:45:58 -0800
>Received: from localhost (pratt@localhost) by tiqit.com (8.11.6/8.11.6) with
>ESMTP id h147j4924714; Mon, 3 Feb 2003 23:45:04 -0800
>X-Message-Info: dHQMqEBBv44lPE7o4B5bAg==
>X-X-Sender: pratt@virt9h.webintellects.com
>In-Reply-To: <BAY1-F2263YxorJla7H0001a596@hotmail.com>
>Message-ID:
><Pine.LNX.4.44.0302032342280.3670-100001@virt9h.webintellects.com>
>Return-Path: pratt@tiqit.com
>X-OriginalArrivalTime: 04 Feb 2003 07:45:58.0892 (UTC)
>FILETIME=[75031AC0:01C2CC21]
>

>William,
>
>The contrast ratio was more than my point-and-shoot Pentax could handle,
>this was the best I could do. Time to upgrade to something real...
>
>Vaughan Pratt
>(Formerly VK2AUA)
>-----
>
>Vaughan Pratt
>CEO
>Tiqit Computers
>pratt@tiqit.com
>Direct: 650-802-8171
>Cell: 650-776-7728
><http://tiqit.com/>
>
> > Would you like to create a little excitement (and interest) for the
>Tiqit
> > eightythree in the Amateur (Ham) Radio market ?
> >
> > If so, please visit:
> > <http://www.qsl.net/n4qa/dsw/dswtun03.html>
> >
> > Once there, download files dswtun03.exe and win95io.dll to the
>eightythree.
> > Run dswtun03.exe and snap a digital photo of the program running on the
> > eightythree's screen.
> > Email the image to me and I'll post it to the QRP-L reflector and to the
> > QRP-F forum...possibly others as well.
> >
> > Can't wait to purchase an eightythree for myself.
> >
> > Thanks,
> > William K. Mabry
> > Amateur Radio Station N4QA
><< tun.jpg >>

Add photos to your e-mail with MSN 8. Get 2 months FREE*.
<http://join.msn.com/?page=features/featuredemail>

Date: Sun, 2 Mar 2003 07:55:58 -0800
From: Bob Nielsen <nielsen@oz.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [146907] Re: Ilink??
Message-ID: <20030302155558.GA8433@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I don't know anything about Ilink, but you might take a look at IRLP
<<http://www.irlp.net>>.

73,
Bob, N7XY

On Sat, Mar 01, 2003 at 11:27:59PM -0600, Ted Kell wrote:

> Anybody know what happened to Ilink? It was a VOIP with links to a
> bunch of repeaters worldwide. About 6 months ago I was hooked in but
> with a sick soundcard and noone could hear me. Now I have that fixed
> and I can't get the servers to answer and the web site is dead. Is
> there a new contact?

>

> Thank for any help.

>

> N3Ted

>

>

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

n7xy@n7xy.net
<http://www.n7xy.net>

Date: Sun, 02 Mar 2003 11:34:18 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [146908] QRP Quarterlies need a new home
Message-ID: <3.0.2.32.20030302113418.0069cb4c@facstaff.wisc.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi gang,

I am offering ALL issues of QRP Quarterly from #1 1990 thru #4 1999 to a good home for only the shipping cost! There is a treasure-trove of information from many QRP Hall-of-Famers, from the years when there was a resurgence in QRP activity. Think of all the developments (and small companies) that occurred in the 90's. I am clearing out some space and want

them to go to someone who will appreciate them!

Let me know, I will ship them and you can just send me back a check for whatever shipping came to.

PS The term "72" is introduced in one of these early-1990's issues! I'm not telling which one though...

72, Paul WA9PWP

Paul Goemans WA9PWP
Stoughton, WI 53589
all email checked by NAV2003

Date: Sun, 02 Mar 2003 13:44:14 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [146909] Re: 10-meter Micro-Mountaineer (2000)
Message-ID: <632601c2e0eb\$b91cbd40\$6601a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Okay... \$80 shipped. I just want to see it go to a good home and to someone who will put it on the air. It's *perfect* for backpacking or camping.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, March 01, 2003 6:07 PM
Subject: FS: 10-meter Micro-Mountaineer (2000)

> 10-meter Micro-Mountaineer (2000)
> by Wes Hayward, W7ZIO
>
> I'm cleaning out some of my projects I'll never get around to finishing.
> Here is a built 10-meter Micro-Mountaineer board with documentation that
> needs to go to a good home.
>
> Please view the photo of the board (documentation not shown).
> <http://www.qrpp-i.com/museum/Micro-Mountaineer.jpg>
>
> PayPal only. \$100 shipped in USA only.

>
> 73/72/71! de Brice KA8MAV
>

Date: Sun, 02 Mar 2003 12:26:48 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-l@lehigh.edu, w9wis@charter.net
Subject: [146910] Re: RF Coaxial Grounding Scheme
Message-ID: <BA87A907.2947%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Michael - George has given you a good reply.

Here is a another way to deal with long ground runs.

Ideally the length of a ground wire should be less than an eighth wavelength to be effective. Quarter wave ground wire lengths are particularly bad. The ground wire acts as a transmission line, transforming the low ground impedance into a higher one seen in the shack. Half wave lengths are better, they transform whatever the ground impedance is at the ground connection to the same thing in the shack.

One solution to this is to use multiple ground wire connections. The simplest way to do this is to find out on what band the ground connection is an eighth wave. Concentrate on the bands above this. If the ground wire is a quarter wave length or multiple thereof, parallel it with a wire at twice the length. In general you want the ground wire to be about a half wavelength long on all bands.

Suppose you have an 8 ft ground run. This is an eighth wave on 20 M, so it should be OK on 20 M and below. It is a quarter wave on 10 M, so this is not good. Parallel it with a 16 ft run on 10 M. This is close enough to a half wave on 12 M that it will probably be OK there. On 15 M, 8 ft is about 1/3 wavelength and 16 ft about 2/3 wavelength, so you may have problems and paralleling a 22 ft wire should help. On 17 M, the 22 ft wire should be OK.

In general, paralleling the original wire with one twice the length is

usually sufficient. You might want to add one 3 times the length as well. If
you have problems on certain bands add a ground wire equal to a half wave on
that band.=20

This is of course a variation of using 1/4 wave counterpoises, but it
provides a DC ground, which in some cases can prove useful. - Dr. Megacycle
KK6MC=20

James R. Duffey KK6MC/5
Cedar Crest NM 87009 DM65

Date: Sun, 2 Mar 2003 15:06:04 -0500 (EST)
From: "n2cx" <n2cx@voicenet.com>
To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu
Subject: [146911] NJQRP meeting Mar 8
Message-ID: <200303022006.h22K64023880@email1.voicenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

Group,

NJQRP will hold its more-or-less monthly meeting next Saturday,
Mar 8. The location is the usual Forrestal Center off Rt 1 in Princeton,
NJ and we will begin assembling at 9 to 9:30 am or whenever we can
get there!

In anticipation of the end of our prolonged winter, our loose theme
will be "In the Spring a Young Ham's Fancy Turns to Antennas."

So bring your new skywires, your thoughts for antenna improvement,
your fancy new test equipment, dummy loads or whatever having to
do with the ham's trademark. Most of all bring your questions. We
expect to have a short discussion and Q&A period on the topic.

In addition, we should have a demo of the newest Atlanticon project,
the Sniffer Field Strength Meter. For those of you who have received
the kit and built it (John, we mean you!) please bring along your
hardware to compare with others' efforts.

Check out the NJQRP web page tomorrow if you need directions, maps,
etc.

See you all there!

And if you can't make it, we will see you later this month at Atlanticon.

For the NJQRP,

Joe, N2CX and George, N2APB

Date: Sun, 2 Mar 2003 15:20:28 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [146912] Antenna work...
Message-ID: <002601c2e0f9\$3024ecc0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone else still down?

I tried to do a "quick fix" to my antenna and discovered it's more damage than I thought. Oh well, it happens.

(I SAID "IT"!!)

Anyway, I'm thinking that once the weather clears and I can get on the roof, I may put up another dipole. This time I'll see what I can do for positioning if I anchor one end right to the chimney, and then put the other end in the trees at the far end of the lot.

I was also thinking MAYBE put up a 'chimney mount'. Do that so I can put a 10 foot mast on the 'far' corner of the chimney, and then use that as a 'hard point' for dipole. The 10 foot mast would get me maybe another 7 feet up over the yard. I'll put a 'weighted pulley' at the other end in a tree so it can handle tree sway in the wind.

My last dipole was oriented at approximately 70-250 degrees. I know, not the best... But sometimes you just have to do what you can, not what you'd like. The chimney mount to the back of the yard would be about 20-200 degrees. I'm not sure it would be any better. Hopefully it won't be worse!

Thing about the chimney mount that I think will be better would be a SINGLE fixed point. With my last dipole, I had a 'hard point' to a tree. Then the other end had the 'pulley' with the weight floater on

it. But both trees could still sway in the wind.

Mike

Date: Sun, 2 Mar 2003 21:07:44 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <don@azark.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [146913] Re: Etching PC boards
Message-ID: <DAV72iKkaIUigCMX75000213d2@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Don Jackson (AE5K)" <don@azark.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 02, 2003 2:57 PM
Subject: Etching PC boards

> Subject: etching PC boards with Cupric Chloride
>
> Here is a URL for an alternative solution to etching PC boards ...
> quite an interesting one since you don't need to dispose of the
> etchant solution as you do ferric chloride. Does anyone know a good
> source for the cupric chloride?
>

If you use hydrochloric acid mixed with hydrogen peroxide to do the etching (it's **very** fast) you will be converting the copper on the PCBs to cupric chloride. You could then just use the solution without adding any more HCl or H2O2. You will need to bubble air through it occasionally to regenerate the cupric chloride, or add some H2O2.

I don't think that cupric chloride is as good an etchant as ferric chloride. Ideally, you should check the concentration periodically, which is a bit tricky.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sun, 02 Mar 2003 16:12:37 -0500
From: JD Delancy <W1JD@drix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [146914] Re: Ilink??
Message-ID: <3E6273C5.228319E1@drix.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Or EchoLink <http://www.echolink.org/>

Bob Nielsen wrote:

> I don't know anything about Ilink, but you might take a look at IRLP
> <<http://www.irlp.net>>.
>
> 73,
> Bob, N7XY
>
> On Sat, Mar 01, 2003 at 11:27:59PM -0600, Ted Kell wrote:
> > Anybody know what happened to Ilink? It was a VOIP with links to a
> > bunch of repeaters worldwide. About 6 months ago I was hooked in but
> > with a sick soundcard and noone could hear me. Now I have that fixed
> > and I can't get the servers to answer and the web site is dead. Is
> > there a new contact?
> >
> > Thank for any help.
> >
> > N3Ted
> >
> >
> >
> --
> Bob Nielsen, N7XY
> Bainbridge Island, WA
> IOTA NA-065, USI WA-028S

n7xy@n7xy.net
<http://www.n7xy.net>

Date: Sun, 2 Mar 2003 15:16:39 -0600
From: "Rob Matherly" <w0jrm@arrl.net>

To: "Flying Pigs" <fpqrp-1@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [146915] OT: Video Capture Card
Message-ID: <02d501c2e101\$079027e0\$7011a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All;

I'm wanting to get a video capture card for my computer so I can transfer some stuff I have on VHS to VCD. Anyone have a particular one they'd suggest?

TIA

--
72/73/oo
Rob, w0jrm (ex kc0bom) - w0jrm@arrl.net
ARRL, FPQRP -330, SOC #497, QRPp-I #19
IAQRP #143, ARS #1143, WATPK #1
<http://members.iowasocean.com/jimrob/>
"Eat salad, die anyway"

Date: Sun, 2 Mar 2003 16:28:20 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w0jrm@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [146916] Re: Video Capture Card
Message-ID: <00a501c2e102\$a795ed00\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm wanting to get a video capture card for my computer so I can
> transfer
> some stuff I have on VHS to VCD. Anyone have a particular one they'd
> suggest?
>
> Rob, w0jrm (ex kc0bom) - w0jrm@arrl.net

A friend of mine's father just bought a 'Dazzel' from RS. While I haven't

played with it, it's supposedly pretty good. Only catch was my friends first attempt generated well over a 1Gig file.... Not really conducive to putting on a VCD.

Cheap enough though. I think it was like \$60 or so. It's not a card, it's a USB interface.

I'm thinking of picking one up and playing with it, just to see what it can do. For the price.... Last time I did any of this was with a NogaVision card (A PCMCIA digital video card) so that should tell you how long it's been!

Mike

Date: Sun, 2 Mar 2003 16:45:10 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [146917] Subject: [146878] RF Coaxial Grounding Scheme ?
Message-ID: <004501c2e105\$003bcb80\$13e5fea9@glynn981>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Mike,

I've never used that scheme, but did see it on The Wireman's site for a description and drawing:

<http://thewireman.com/ground.html>

P/N 856

If you give it a try please let me know how you make out.

72 Kevin N2TO
Brooklyn, NYC
QRP-L #323
kfglynn@mindspring.com

Date: Sun, 2 Mar 2003 22:08:14 -0000
From: "Ray Goff" <radioham@gmx.co.uk>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [146918] Re: Video Capture Card
Message-ID: <002701c2e108\$bc21b9b0\$a9bc6751@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We use video cards in some of our products and extensive testing for compatibility suggests that the Hercules/ATI All-In-Wonder 7500 or 8500 cards perform the best for that application.

73

Ray, G4FON

> Hi All;
>
> I'm wanting to get a video capture card for my computer so I can transfer
> some stuff I have on VHS to VCD. Anyone have a particular one they'd
> suggest?
>

Date: Sun, 02 Mar 2003 16:10:15 -0700
From: "P. Ermisch" <ermisch@usa.net>
To: <qrp-1@Lehigh.EDU>
Subject: [146919] QRP DX thoughts to share
Message-ID: <462HcBXkP9808S16.1046646615@uwdvg016.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I'm a relative newcomer to amateur radio so I'm not shy about going QRO f=or
countries I don't have. However, because of antenna restrictions in my '=hood,
QRO means sitting in the truck in the driveway or going mobile.

But, if conditions are favorable, of course, QRP is the preferred power l=evel.

I received my J28AG/Djibouti QSL card yesterday so I am still thrilled t=hat I
snagged that one on 40M/CW and 3W in the ARRL DX contest a year ago. Got=that

one with the K1 I owned at the time and the low dipole (23 ft) off the back of the house. Also, early this morning fooling around in the shack, I decided to hook up the mic to the FT817 I now own and see what I could snag. To my surprise, got Mexico on 80M on the first try. Not surprised that they couldn't hear me on 160M though. No luck on any Carribeans I could hear either.

During this last hour of the contest, I'm picking up a few more on QRP SS-B.

Paul KB0LUR

Date: Sun, 02 Mar 2003 18:23:08 -0500
From: Jimmy Lee <jrllaudio@bellsouth.net>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [146920] Re: Fwd: QRP-L moderation
Message-ID: <3E62925B.1C103B67@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,
Very well said and could not agree more. It is hard to witness stupidity and ignorance and call that informative.
Jimmy, AE4DT

Bill Stietenroth wrote:

> I don't care if the posts come a little slowly. We aren't handling
> emergency traffic here. The lack of garbage in the content is worth
> whatever small inconvenience is perceived by the lack of speed. This
> list has been a pleasure to read since the moderation started. There
> will always be malcontents who want to screw things up for others and any
> completely open reflector is doomed to be taken over by those people
> because civil people won't stay around and listen to that garbage.
> A big thanks to Mr Eschleman for taking control
>
> Bill, K5ZTY
> Houston, TX

Date: Sun, 02 Mar 2003 23:32:38 GMT
From: psschwarz@kellnet.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [146921] I love trees :-)
Message-ID: <20030302233238.14779.qmail@mail.kellnet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Especially the tree to which me 30 foot vertical is attached with a modified
radiator branching ~15 degrees from the feedpoint. This allowed for
interesting contacts during the dx contest this weekend.

Patrick...KB8RTZ...now to work cw...

End of QRP-L Digest 2847
